

7.6.1 Efficiency Standards for Remote Commercial Refrigerators, Freezers, and Refrigerator-Freezers (1)

Models with a self-contained condensing unit and without doors, models with a remote condensing unit, and commercial ice-cream freezers

<u>Category</u>	<u>Equipment Class Designation</u>	<u>Maximum Daily Energy Consumption (kWh/day)</u>	<u>Key:</u>
Remote Condensing Commercial Refrigerators and Commercial Freezers	VOP.RC.M	$0.82 \times \text{TDA} + 4.07$	<u>Equipment Family:</u> VOP = Vertical Open SVO = Semivertical Open HZO = Horizontal Open VCT = Vertical Closed Transparent HCT = Horizontal Closed Transparent VCS = Vertical Closed Solid HCS = Horizontal Closed Solid SOC = Service Over Counter <u>Condensing Unit Configuration:</u> RC = Remote SC = Self-Contained <u>Rating Temp (Operating Temp) - (Deg, F):</u> M = 38 (≥ 32) L = 0 (< 32) I = -15 (≥ -5)
	VOP.RC.L	$2.27 \times \text{TDA} + 6.85$	
	SVO.RC.M	$0.83 \times \text{TDA} + 3.18$	
	SVO.RC.L	$2.27 \times \text{TDA} + 6.85$	
	HZO.RC.M	$0.35 \times \text{TDA} + 2.88$	
	HZO.RC.L	$0.57 \times \text{TDA} + 6.88$	
	VCT.RC.M	$0.22 \times \text{TDA} + 1.95$	
	VCT.RC.L	$0.56 \times \text{TDA} + 2.61$	
	HCT.RC.M	$0.16 \times \text{TDA} + 0.13$	
	HCT.RC.L	$0.34 \times \text{TDA} + 0.26$	
	VCS.RC.M	$0.11 \times V + 0.26$	
	VCS.RC.L	$0.23 \times V + 0.54$	
	HCS.RC.M	$0.11 \times V + 0.26$	
	HCS.RC.L	$0.23 \times V + 0.54$	
	SOC.RC.M	$0.51 \times \text{TDA} + 0.11$	
	SOC.RC.L	$1.08 \times \text{TDA} + 0.22$	
Commercial Ice-Cream Freezers	VOP.RC.I	$2.89 \times \text{TDA} + 8.7$	
	SVO.RC.I	$2.89 \times \text{TDA} + 8.7$	
	HZO.RC.I	$0.72 \times \text{TDA} + 8.74$	
	VCT.RC.I	$0.66 \times \text{TDA} + 3.05$	
	HCT.RC.I	$0.4 \times \text{TDA} + 0.31$	
	VCS.RC.I	$0.27 \times V + 0.63$	
	HCS.RC.I	$0.27 \times V + 0.63$	
	SOC.RC.I	$1.26 \times \text{TDA} + 0.26$	

Note(s): 1) AV means the adjusted volume (ft^3). V means the chilled or frozen compartment volume (ft^3). TDA means the total display area (ft^2) of the case. Effective for products manufactured on or after January 1, 2012.

Source(s): Title 10, Code of Federal Regulations, Part 431 - Energy Efficiency Program for Certain Commercial and Industrial Equipment, Subpart C - Commercial Refrigerators, Freezers and Refrigerator-Freezers. January 1, 2010.